

Photos from the 2007 Clarke Prize Award Ceremony and Lecture



Environmental engineer James L. Barnard, Ph.D., BCEE., of Black & Veatch, received the 2007 Clarke Prize for his groundbreaking use of bacteria through the biological nutrient removal (BNR) process to remove both nitrogen and phosphorous from wastewater.



The Fourteenth Annual Clarke Prize Lecture and Award Ceremony were held on Thursday, July 12, 2007, at the Hilton Waterfront beach Resort in Huntington Beach, California.



(From left) Dr. Barnard and NWRI Executive Director, Jeff Mosher. Dr. Barnard is the fourteenth recipient of the NWRI Athalie Richardson Irvine Clarke Prize for excellence in water science.



Dr. Barnard with his family at the Clarke Prize: daughter Yvette (left) - who traveled all the way from South Africa to see her father receive the award - and wife Maryna (right), who Dr. Barnard described as his biggest supporter.



An Executive Committee selects the Clarke Prize recipient. Members included (from left): Dr. Michael Kavanaugh of Malcolm Pirnie, Dr. Roy Spalding of the University of Nebraska-Lincoln, 2007 Clarke Prize recipient Dr. James Barnard, and Dr. Rhodes Trussell of Trussell Technologies. Not pictured: Dr. Takashi Asano of the University of California Davis, Dr. Perry McCarty of Stanford University, Dr. Charles O'Melia of the Johns Hopkins University, and Dr. Jerome Walker of the University of Southern California.



During the Clarke Lecture, which was held at noon, Dr. Barnard spoke for 40 minutes about eliminating eutrophication through resource recovery. Eutrophication occurs when the accumulation of nutrients such as nitrogen and phosphorous supports the growth of algae, killing fish and contributing to poor water quality, including taste and odor problems.



Following the Lecture, Dr. Barnard mingled with guests, including these students from the University of California, Riverside.



Dr. Barnard's lecture was dedicated to the memory of Dr. David C. White of the University of Tennessee, Knoxville, who received the Clarke Prize in 1995. Dr. White passed away in 2006. His wife, Sandy White, received an NWRI award of recognition from NWRI Executive Director, Jeff Mosher, during the Lecture.



Dr. Barnard poses with seven of his fellow Clarke Prize Laureates at the award ceremony in Huntington Beach. From left: Dr. Bruce Rittmann, Dr. George Tchobanoglous, Dr. Walter Weber, Dr. Rafael Bras, Dr. James Barnard, Dr. Philip Singer, Dr. Perry McCarty, and Dr. Vernon Snoeyink.



Dr. Perry McCarty of Stanford University provided introductions during the Clarke Prize Award Ceremony.



Mrs. Joan Irvine Smith, patron of the Clarke Prize, presents Dr. Barnard with the \$50,000 check and medallion during the ceremony, as her son, Russell Penniman, looks on.



Mrs. Joan Irvine Smith, patron of the Clarke Prize, with the 2008 recipient, Dr. James Barnard, and her son, Russell Penniman. Mrs. Smith is the daughter of Athalie Richardson Irvine Clarke, whom the award is named after.